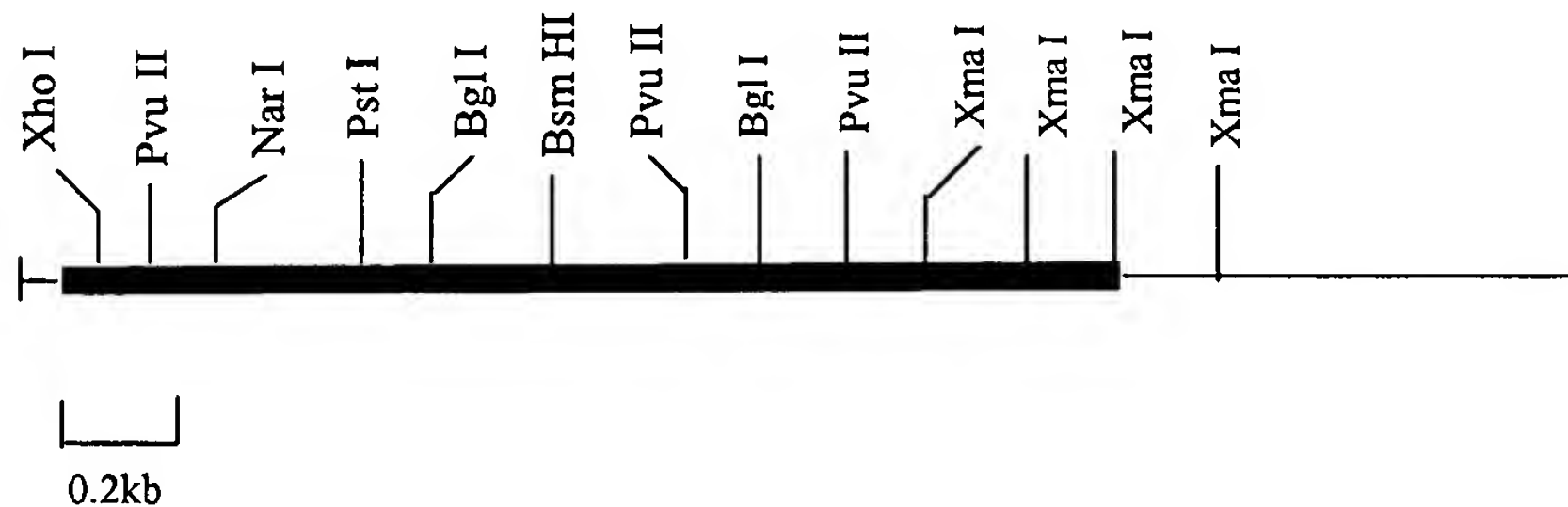


REPLACEMENT SHEET

Fig. 1A



-12 39
GG GCG GAC TCT AAA ATG AAT CCC GAT CTG GAC ACC GGC CAC AAC ACA TCA GCA
M N P D L D T G H N T S A

93
CCT GCC CAA TGG GGA GAG TTG AAA GAT GCC AAC TTC ACT GGC CCC AAC CAG ACC
P A Q W G E L K D A N F T G P N Q T

147
TCG AGC AAC TCC ACA CTG CCC CAG CTG GAC GTT ACC AGG GCC ATC TCT GTG GGC
S S N S T L P Q L D V T R A I S V G

201
CTG GTG CTG GGC GCC TTC ATC CTC TTT GCC ATT GTG GGC AAC ATC CTG GTC ATC
L V L G A F I L F A I V G N I L V I

255
CTG TCA GTG GCC TGC AAT CGG CAC CTG CGG ACG CCC ACC AAC TAC TTC ATT GTC
L S V A C N R H L R T P T N Y F I V

309
AAC CTG GCC ATT GCT GAC CTG CTG TTG AGT TTC ACA GTC CTG CCC TTC TCC GCT
N L A I A D L L L S F T V L P F S A

363
ACC CTA GAA GTG CTT GGC TAC TGG GTT CTG GGG CGC ATC TTC TGT GAC ATC TGG
T L E V L G Y W V L G R I F C D I W

417
GCA GCG GTG GAC GTC CTG TGC TGT ACG GCC TCC ATC CTG AGC CTA TGT GCC ATC
A A V D V L C C T A S I L S L C A I

471
TCC ATT GAT CGC TAC ATT GGG GTG CGC TAC TCT CTG CAG TAC CCC ACT CTG GTC
S I D R Y I G V R Y S L Q Y P T L V

525
ACC CGC AGG AAG GCC ATC TTG GCA CTC CTC AGT GTG TGG GTT TTG TCC ACG GTC
T R R K A I L A L L S V W V L S T V

579
ATC TCC ATC GGG CCT CTC CTT GGA TGG AAA GAA CCA GCG CCC AAC GAC GAC AAG
I S I G P L L G W K E P A P N D D K

633
GAA TGC GGA GTC ACC GAA GAA CCC TTC TAT GCC CTC TTT TCC TCC CTG GGC TCC
E C G V T E E P F Y A L F S S L G S

687
TTC TAC ATC CCA CTC GCG GTC ATT CTG GTC ATG TAC TGC CGG GTC TAC ATC GTG
F Y I P L A V I L V M Y C R V Y I V

741
GCC AAG AGG ACC ACC AAG AAC CTG GAG GCT GGA GTC ATG AAG GAG ATG TCC AAC
A K R T T K N L E A G V M K E M S N

REPLACEMENT SHEET

Fig. 1B

TCC	AAG	GAG	CTG	ACC	CTG	AGG	ATC	CAC	TCC	AAG	AAC	TTT	CAT	GAG	GAC	ACC	CTC	795
S	K	E	L	T	L	R	I	H	S	K	N	F	H	E	D	T	L	
peptide 1																		849
AGC	AGT	ACC	AAG	GCC	AAG	GGC	CAC	AAC	CCC	AGG	AGT	TCC	ATA	GCT	GTC	AAA	CTT	
S	S	T	K	A	K	G	H	N	P	R	S	S	I	A	V	K	L	
TTT	AAG	TTC	TCC	AGG	GAA	AAG	AAA	GCA	GCC	AAA	ACC	TTG	GGC	ATT	GTG	GTC	GGA	903
F	K	F	S	R	E	K	K	A	A	K	T	L	G	I	V	V	G	
ATG	TTC	ATC	TTG	TGT	TGG	CTC	CCC	TTC	TTC	ATC	GCT	CTC	CCA	CTT	GGG	TCC	CTG	957
M	F	I	L	C	W	L	P	F	F	I	A	L	P	L	G	S	L	
peptide 2																		1011
TTC	TCC	ACT	CTC	AAG	CCC	CCG	GAC	GCC	GTG	TTC	AAG	GTG	GTA	TTC	TGG	CTG	GGC	
F	S	T	L	K	P	P	D	A	V	F	K	V	V	F	W	L	G	
TAC	TTC	AAC	AGC	TGC	CTG	AAC	CCC	ATC	ATC	TAC	CCG	TGC	TCC	AGC	AAG	GAG	TTC	1065
Y	F	N	S	C	L	N	P	I	I	Y	P	C	S	S	K	E	F	
AAG	CGC	GCC	TTC	ATG	CGT	ATC	CTT	GGG	TGC	CAG	TGC	CGT	AGT	GGC	CGT	CGC	CGC	1119
K	R	A	F	M	R	I	L	G	C	Q	C	R	S	G	R	R	R	
GCG	CGC	CGC	CGT	CGT	CTG	GGC	GCG	TGC	GCT	TAC	ACC	TAT	CGG	CCG	TGG	ACG	CGC	1173
R	R	R	R	R	L	G	A	C	A	Y	T	Y	R	P	W	T	R	
GGC	GGC	TCG	CTG	GAG	CGA	TCG	CAG	TCG	GGG	AAG	GAC	TCC	CTG	GAC	GAC	AGC	GGC	1227
G	G	S	L	E	R	S	Q	S	R	K	D	S	L	D	D	S	G	
AGC	TGC	ATG	AGT	GGC	AGC	CAG	AGG	ACC	CTG	CCC	TCG	GCG	TCG	CCC	AGC	CCG	GGC	1281
S	C	M	S	G	S	Q	R	T	L	P	S	A	S	P	S	P	G	
TAC	CTG	GGT	CGC	GGA	GCG	CAG	CCA	CCA	CTG	GAG	CTG	TGC	GCC	TAC	CCC	GAA	TGG	1335
Y	L	G	R	G	A	Q	P	P	L	E	L	C	A	Y	P	E	W	
AAA	TCC	GGG	GCT	CTG	CTC	AGT	CTG	CCA	GAG	CCT	CCG	GGT	CGC	CGC	GGT	CGC	CTC	1389
K	S	G	A	L	L	S	L	P	E	P	P	S	R	R	G	R	L	
GAC	TCT	GGG	CCC	CTC	TTC	ACT	TTC	AAG	CTC	TTG	GGA	GAG	CCG	GAG	AGC	CCG	GGC	1443
D	S	G	P	L	F	T	F	K	L	L	G	E	P	E	S	P	G	
ACC	GAG	GGC	GAT	GCC	AGC	AAT	GGG	GGC	TGC	GAC	GCA	ACG	ACC	GAC	CTG	GCC	AAT	1497
T	E	G	D	A	S	N	G	G	C	D	A	T	T	D	L	A	N	
GGG	CAG	CCC	GGT	TTC	AAG	AGC	AAC	ATG	CCT	CTG	GCA	CCC	GGG	CAC	TTT	TAG	GGT	1551
G	Q	P	G	F	K	S	N	M	P	L	A	P	G	H	F			
peptide 3																		1605
CCC	TTT	TCT	TTC	CCC	CAC	ACA	CAC	CCC	AGG	GGG	GAG	GAC	ACC	ATT	GTG	GGG	GGC	1659
GGG	GGC	ATG	GGG	GGG	AGT	GTC	AGC	CCC	GGG	TAG	ACA	CAG	GGT	CGC	AAG	GGT	ACA	1713
AGG	GGG	GAG	GGG	GGC	GGG	GAG	AGG	GGC	AGC	TGC	TTT	TCT	GGC	AGG	GGC	ATG	GCT	1767
GCC	AGG	TAC	AGC	GGA	GAG	CTG	GCT	GCG	CAT	GCT	GAG	AGC	CTG	GGG	ACC	CAC	CCC	
CAA	CGC	TGG	CCG	GGA	CTT	AAG	TCT	CTC	TCT	TCT	CTC	TCT	CTG	TAT	ATA	TAT	AAA	1821
GAG	TCC	CTC	TAT	ACG	TAT	TTA	TCT	GTG	GGT	ACA	CGT	GCG	TGT	GTC	TGT	GCG	GTG	1875

REPLACEMENT SHEET

Fig. 1C

AAC GTG TGG GCT GCA TGG ATG TGT GTT GGG GGC CTG CCC ACT TGC GCG TGC TGG	1929
GGC AGA GCG AGT GTG TGC CCT GGC AAT GTC AGG TTT GTT GTT TGT CTC TTG ACT	1983
TGT ACC TCT CAA GCC CCT CCT TGT TCT CTG GTC AAT GCT GGC ATT TTG ATG GGG	2037
TTG GAA ACC AAG TCA GAT ATT AAA AAT CAT TTC TCG TGA AAA AAA AAA AAA	2091

REPLACEMENT SHEET

Fig. 2A

	3		9		15		21		27		33		39		45
1	TCG	ACT	GCC	CAG	TGC	CCT	TTG	CCT	CTG	CAC	CAT	CTC	CAT	GAT	CAA
	AGC	TGA	CGG	GTC	ACG	GGA	AAC	GGA	GAC	GTG	GTA	GAG	GTA	CTA	GTT
46	TGA	GCT	AAG	GTA	CCA	GGA	GCT	CCA	ACA	GGT	TCA	CAC	TAC	CAC	AAA
	ACT	CGA	TTC	CAT	GGT	CCT	CGA	GGT	TGT	CCA	AGT	GTG	ATG	GTG	TTT
91	CCT	CAA	AAA	TAG	GCA	TCT	CTT	ATG	TTT	AAA	TCT	CTA	AAG	GCA	GCT
	GGA	GTT	TTT	ATC	CGT	AGA	GAA	TAC	AAA	TTT	AGA	GAT	TTC	CGT	CGA
136	TAG	GTA	AGA	TAG	TTG	AAA	TGA	GGG	CAG	GGA	CTG	TTT	TCA	AAG	CTA
	ATC	CAT	TCT	ATC	AAC	TTT	ACT	CCC	GTC	CCT	GAC	AAA	AGT	TCC	GAT
181	TCT	GAA	TCA	TTG	TTT	GTT	TGT	TTG	TTT	GTT	TGT	TAT	CTC	AGA	GAA
	AGA	CTT	AGT	AAC	AAA	CAA	ACA	AAC	AAA	CAA	ACA	ATA	GAG	TCT	CTT
226	ACT	CCT	TAG	AAT	TGT	ATA	TTT	TGT	GCA	ACT	GGA	GAG	CTT	GTG	CCA
	TGA	GGA	ATC	TTA	ACA	TAT	AAA	ACA	CGT	TGA	CCT	CTC	GAA	CAC	GGT
271	TTT	TTA	ATA	GGA	GAT	TAA	GGA	CCT	TAA	ACG	TAT	AGT	GGG	TGA	TAC
	AAA	AAT	TAT	CCT	CTA	ATT	CCT	GGA	ATT	TGC	ATA	TCA	CCC	ACT	ATG
316	ATG	CTT	GTA	ACA	ACA	ACA	CTA	AGA	GGC	TGG	GAA	AAG	AGG	AAG	ATT
	TAC	GAA	CAT	TGT	TGT	TGT	GAT	TCT	CCG	ACC	CTT	TTC	TCC	TTC	TAA
361	ATC	ATG	ATT	TTG	GGG	CCA	GCC	TGG	GCT	AAT	AAT	AAG	TTC	TAG	GCC
	TAG	TAC	TAA	AAC	CCC	GGT	CGG	ACC	CGA	TTA	TTA	TTC	AAG	ATC	CGG
406	AGC	CTA	GGC	CCA	AGT	AAG	ACC	ATC	TCT	CAA	ACA	AGC	AAT	CAA	AGG
	TCG	GAT	CCG	GGT	TCA	TTC	TGG	TAG	AGA	GTT	TGT	TCG	TTA	GTT	TCC
451	CTG	GAG	AGT	TGT	CTC	AGC	AGA	TAA	GGG	CAT	TTG	GTG	CTC	TTG	CAG
	GAC	CTC	TCA	ACA	GAG	TCG	TCT	ATT	CCC	GTA	AAC	CAC	GAG	AAC	GTC
496	AGG	ACT	CGG	GTC	CAA	TTC	CCA	CCA	CCC	AAA	TGG	TGG	CTC	ACA	ACC
	TCC	TGA	GCC	CAG	GTT	AAG	GGT	GGT	GGG	TTT	ACC	ACC	GAG	TGT	TGG
541	ATC	CCA	ACT	TCA	GCT	TCA	GAG	GAC	CCC	ATG	CCC	ATC	TGT	CAA	CTT
	TAG	GGT	TGA	AGT	CGA	AGT	CTC	CTG	GGG	TAC	GGG	TAG	ACA	GTT	GAA
586	TCA	CAG	GCA	GCA	AAG	CAG	GCA	ATG	AAT	GTA	ATA	CTC	ACA	CGC	AAA
	AGT	GTC	CGT	CGT	TTC	GTC	CGT	TAC	TTA	CAT	TAT	GAG	TGT	GCG	TTT
631	AAA	AAA	AAA	AAA	AAA	AAA	AAG	ACA	GTA	AAT	TAA	AAG	AAA	CAA	ATA
	TTT	TTT	TTT	TTT	TTT	TTT	TTC	TGT	CAT	TTA	ATT	TTC	TTT	GTT	TAT
676	AAC	AAA	AAA	CGT	AAT	CTT	CTC	CAA	AAA	GTA	CAA	GCA	AAA	AGA	CTT
	TTG	TTT	TTT	GCA	TTA	GAA	GAG	GTT	TTT	CAT	GTT	CGT	TTT	TCT	GAA

REPLACEMENT SHEET

Fig. 2B

721	CAA	AAG	CCC	AAC	TTT	AGG	CTG	AAG	AAC	TTG	CAC	AGG	AAC	CGC	CTT
	GTT	TTC	GGG	TTG	AAA	TCC	GAC	TTC	TTG	AAC	GTG	TCC	TTG	GCG	GAA
766	GCA	TGG	CCC	CTG	CTT	CCT	TGC	CCC	TTA	ATC	AAA	ATA	CAG	CGA	CTA
	CGT	ACC	GGG	GAC	GAA	GGA	ACG	GGG	AAT	TAG	TTT	TAT	GTC	GCT	GAT
811	TCA	AAA	GCA	GAA	ATT	AGA	AGC	CTG	GGC	CAT	GGC	TTG	TGG	ACT	GGA
	AGT	TTT	CGT	CTT	TAA	TCT	TCG	GAC	CCG	GTA	CCG	AAC	ACC	TGA	CCT
856	AGA	AAT	GGG	TAT	CAG	GTG	TCT	CCT	TGC	AAT	TCA	GCA	GCC	ACT	GCC
	TCT	TTA	CCC	ATA	GTC	CAC	AGA	GGA	ACG	TTA	AGT	CGT	CGG	TGA	CGG
901	CTG	TCC	CCT	GCC	TCA	TGT	CAC	TAG	CAT	ATG	ACT	AAC	TCT	CTG	ATC
	GAC	AGG	GGA	CGG	AGT	ACA	GTG	ATC	GTA	TAC	TGA	TTG	AGA	GAC	TAG
946	TAC	TGT	TTT	CTC	GTG	TGT	CCA	CAG	AGA	GCA	GTG	ATG	CCT	CTC	TCT
	ATG	ACA	AAA	GAG	CAC	ACA	GGT	GTC	TCT	CGT	CAC	TAC	GGA	GAG	AGA
991	CAA	AGA	CTT	GTT	AAA	GAA	AAA	TAA	AAG	AAA	ATA	AGT	AAG	CTG	GGT
	GTT	TCT	GAA	CAA	TTT	CTT	TTT	ATT	TTC	TTT	TAT	TCA	TTC	GAC	CCA
1036	GTG	GTG	TCT	TAT	GCT	TGT	AAT	CCA	AGC	ACT	GGG	GAG	GTG	GGG	GCC
	CAC	CAC	AGA	ATA	CGA	ACA	TTA	GGT	TCG	TGA	CCC	CTC	CAC	CCC	CGG
1081	AAC	GGA	TTT	TGG	GGT	TTG	GGA	CAA	TAT	TGG	TCT	GCA	TAG	TGA	GCT
	TTG	CCT	AAA	ACC	CCA	AAC	CCT	GTT	ATA	ACC	AGA	CGT	ATC	ACT	CGA
1126	CAA	GAC	CAG	TGT	GAG	CTA	CAC	AGC	AAG	AAA	AGG	GAA	GAG	AAG	AGA
	GTT	CTG	GTC	ACA	CTC	GAT	GTG	TCG	TTC	TTT	TCC	CTT	CTC	TTC	TCT
1171	AGA	GAA	GAG	AAG	AGA	AGA	GAG	GAG	AGG	AGA	GGA	GAG	GAG	AGG	AGA
	TCT	CTT	CTC	TTC	TCT	TCT	CTC	CTC	TCC	TCT	CCT	CTC	CTC	TCC	TCT
1216	GAG	AGA	GGA	GAG	GAG	AGG	AGA	GGA	GAG	GAG	AGG	AGG	GAG	AGG	AGA
	CTC	TCT	CCT	CTC	CTC	TCC	TCT	CCT	CTC	CTC	TCC	TCC	CTC	TCC	TCT
1261	GGA	GGG	GAG	AGA	AAT	AAG	TAA	ATG	TTT	GAT	GAA	CAG	TAG	GAG	CTC
	CCT	CCC	CTC	TCT	TTA	TTC	ATT	TAC	AAA	CTA	CTT	GTC	ATC	CTC	GAG
1306	AGC	AAA	TGT	GGG	TTC	CTT	CCC	AGT	AGC	ACT	AAC	TTG	AGC	CCC	AAA
	TCG	TTT	ACA	CCC	AAG	GAA	GGG	TCA	TCG	TGA	TTG	AAC	TCG	GGG	TTT
1351	ATG	AGC	CAT	TTA	AAA	AAA	AAG	CCC	AAG	TTA	TAA	CAT	TTA	CTC	TAT
	TAC	TCG	GTA	AAT	TTT	TTT	TTC	GGG	TTC	AAT	ATT	GTA	AAT	GAG	ATA
1396	CCC	CTA	TTT	TGC	TCC	TAT	AGA	AAC	GGT	GAC	TCT	TCT	ATG	GCT	CAG
	GGG	GAT	AAA	ACG	AGG	ATA	TCT	TTG	CCA	CTG	AGA	AGA	TAC	CGA	GTC
1441	TAC	TCA	GCA	CTA	GAA	TAA	GGA	AAC	CCA	GTA	ATG	ACA	TTC	AAC	TCC
	ATG	AGT	CGT	GAT	CTT	ATT	CCT	TTG	GGT	CAT	TAC	TGT	AAG	TTG	AGG

REPLACEMENT SHEET

Fig. 2C

1486	AAC	TCA	CCC	TTC	CTC	TCC	TCA	ATA	GGC	ATA	TGT	ACT	TGA	AAA	AAA
	TTG	AGT	GGG	AAG	GAG	AGG	AGT	TAT	CCG	TAT	ACA	TGA	ACT	TTT	TTT
1531	CGG	CTC	AAC	TCC	CTT	ATC	ACA	CGG	GTC	CCA	TCC	TCA	AAA	CAG	AAA
	GCC	GAG	TTG	AGG	GAA	TAG	TGT	GCC	CAG	GGT	AGG	AGT	TTT	GTC	TTT
1576	TCA	AAA	TGA	GAC	TAG	TTC	TCT	CAT	CAA	GTC	GGG	AGA	AAA	GGC	AGC
	AGT	TTT	ACT	CTG	ATC	AAG	AGA	GTA	GTT	CAG	CCC	TCT	TTT	CCG	TCG
1621	ATG	AAC	GTA	GCA	CAT	GGT	CTA	GCA	TCT	AAG	TAT	TGG	GAG	ACA	GAG
	TAC	TTG	CAT	CGT	GTA	CCA	GAT	CGT	AGA	TTC	ATA	ACC	CTC	TGT	CTC
1666	AAT	CTT	GAG	TTC	AAA	ACC	AAC	CTG	AAG	ACC	TTC	TTT	CTT	TTT	TTT
	TTA	GAA	CTC	AAG	TTT	TGG	TTG	GAC	TTC	TGG	AAG	AAA	GAA	AAA	AAA
1711	TTT	TTT	TTT	TTT	TTT	TTT	TGA	AGA	CCT	TCT	TTC	TAA	AAA	CAA	ACA
	AAA	AAA	AAA	AAA	AAA	AAA	ACT	TCT	GGA	AGA	AAG	ATT	TTT	GTT	TGT
1756	AAC	AAA	CAA	ACA	AAC	AAG	AAA	ATT	CTT	CCC	TGG	TTT	GAC	TTT	TTT
	TTG	TTT	GTT	TGT	TTG	TTC	TTT	TAA	GAA	GGG	ACC	AAA	CTG	AAA	AAA
1801	CTT	CTT	CCT	TTT	TGT	AAT	TAC	CCA	CCT	CTG	GAA	ATA	GGG	TTT	GTA
	GAA	GAA	GGA	AAA	ACA	TTA	ATG	GGT	GGA	GAC	CTT	TAT	CCC	AAA	CAT
1846	GCC	TAA	TAG	CCT	ACA	TGT	ATA	CAA	GGC	AAT	ACA	AGA	AAA	GAG	CCA
	CGG	ATT	ATC	GGA	TGT	ACA	TAT	GTT	CCG	TTA	TGT	TCT	TTT	CTG	GGT
1891	ACA	GGC	AAG	ACC	CCC	CCC	CCC	AAG	TCC	CTT	CCC	CAG	GAT	TTG	GCA
	TGT	CCG	TTC	TGG	GGG	GGG	GGG	TTC	AGG	GAA	GGG	GTC	CTA	AAC	CGT
1936	ATC	AGT	CCT	CAC	TCT	CTA	CTC	CCA	GAG	ATA	CAA	CTA	GCT	CCC	TCT
	TAG	TCA	GGA	GTG	AGA	GAT	GAG	GGT	CTC	TAT	GTT	GAT	CGA	GGG	AGA
1981	CAC	CCT	TCC	CTC	CCT	TCC	TCC	CTC	CTT	CCC	TCC	TTC	CCT	CCT	TCC
	GTG	GGA	AGG	GAG	GGA	AGG	AGG	GAG	GAA	GGG	AGG	AAG	GGA	GGA	AGG
2026	CTC	CTT	CCC	TCC	CTC	CCT	CCT	CCC	TCC	TTC	CCT	CCC	TCC	CTC	AAC
	GAG	GAA	GGG	AGG	GAG	GGA	GGA	GGG	AGG	AAG	GGA	GGG	AGG	GAG	TTG
2071	TAT	CTC	TTT	TAG	TGA	CAA	CCC	CAA	GCC	CCT	TCT	TAA	AAT	GTC	AAG
	ATA	GAG	AAA	ATC	ACT	GTT	GGG	GTT	CGG	GGA	AGA	ATT	TTA	CAG	TTC
2116	TTC	AGC	CTA	GAG	ATG	CTG	CTC	ACT	TGG	TAG	AGT	ATG	TGC	TTG	CCT
	AAG	TCG	GAT	CTC	TAC	GAC	GAG	TGA	ACC	ATC	TCA	TAC	ACG	AAC	GGA
2161	AGA	ATG	CAC	GAA	GCC	CTG	AAT	TCC	ATC	CCC	AGT	ATC	AAA	TAA	ACC
	TCT	TAC	GTG	CTT	CGG	GAC	TTA	AGG	TAG	GGG	TCA	TAG	TTT	ATT	TGG
2206	AAC	CAC	GGC	GGT	ACA	TGC	TTG	TAA	TTC	CAG	CAC	TCA	GGA	GGT	GGC
	TTG	GTG	CCG	CCA	TGT	ACG	AAC	ATT	AAG	GTC	GTG	AGT	CCT	CCA	CCG

REPLACEMENT SHEET

Fig. 2D

2251	CAT	AGG	AAA	ATC	AAG	AGT	TCA	AAG	GTA	TTC	TTG	TGT	TAT	ACA	GTG
	GTA	TCC	TTT	TAG	TTC	TCA	AGT	TTC	CAT	AAG	AAC	ACA	ATA	TGT	CAC
2296	AGC	TGG	AGG	GCA	ACC	TGA	GCT	ACA	TCA	TAC	TCT	GTC	ATT	AAA	AAA
	TCG	ACC	TCC	CGT	TGG	ACT	CGA	TGT	AGT	ATG	AGA	CAG	TAA	TTT	TTT
2341	AAA	AAA	TCC	AAT	TCA	TAT	TCT	TCC	ATA	CCC	TGG	TTG	CAT	TTC	TCT
	TTT	TTT	AGG	TTA	AGT	ATA	AGA	AGG	TAT	GGG	ACC	AAC	GTA	AAG	AGA
2386	GTC	CTC	AAT	TAA	TCT	TCT	CCT	AAA	CTC	CTG	TCA	TTA	GAT	GTC	TCG
	CAG	GAG	TTA	ATT	AGA	AGA	GGA	TTT	GAG	GAC	AGT	AAT	CTA	CAG	AGC
2431	CTT	CAG	ATT	TTG	CTT	GTT	TGA	TAA	GCT	TCC	ACT	TGC	CGG	TCA	GGA
	GAA	GTC	TAA	AAC	GAA	CAA	ACT	ATT	CGA	AGG	TGA	ACG	GCC	AGT	CCT
2476	ATC	TGG	GTA	CCC	TTC	TAA	CTG	TTG	GAG	AAC	AGT	GCC	TAG	AAT	GGA
	TAG	ACC	CAT	GGG	AAG	ATT	GAC	AAC	CTC	TTG	TCA	CGG	ATC	TTA	CCT
2521	GCC	ACT	GGC	CTG	GAG	GTG	GAC	ATT	AAC	AAT	CCA	CTG	AAG	GAA	TGT
	CGG	TGA	CCG	GAC	CTC	CAC	CTG	TAA	TTG	TTA	GGT	GAC	TTC	CTT	ACA
2566	GTG	CAG	GGA	ATA	ACT	GAA	CGA	ATG	AAT	GAG	CAA	CAG	AAG	TTT	CTA
	CAC	GTC	CCT	TAT	TGA	CTT	GCT	TAC	TTA	CTC	GTT	GTC	TTC	AAA	GAT
2611	GGT	TTT	ATC	AAG	GCC	AAA	GAG	GTT	GCA	AGG	GGG	AAC	TAA	AGT	ATA
	CCA	AAA	TAG	TTC	CGG	TTT	CTC	CAA	CGT	TCC	CCC	TTG	ATT	TCA	TAT
2656	GCG	CTG	GTC	TCA	GAT	GTG	ACT	CAA	GTC	TCT	GTC	ACC	TGC	CTA	ACG
	GCG	GAC	CAG	AGT	CTA	CAC	TGA	GTT	CAG	AGA	CAG	TGG	ACG	GAT	TGC
2701	CAG	GGA	TTT	TCT	TCC	TTT	TGT	AGA	AGC	CAG	TTG	TGT	AGA	AGT	TGC
	GTC	CCT	AAA	AGA	AGG	AAA	ACA	TCT	TCG	GTC	AAC	ACA	TCT	TCA	ACG
2746	ACA	TCT	CTC	TGA	ACC	CAT	GGC	TTG	ACT	CCA	GGA	GCC	CCC	ATT	AGA
	TGT	AGA	GAG	ACT	TGG	GTA	CCG	AAC	TGA	GGT	CCT	CGG	GGG	TAA	TCT
2791	GGT	AAG	CAT	CCC	CAC	CCT	ACC	TTT	TAA	CTG	AAG	CGT	GAA	CAG	GGG
	CCA	TTC	GTA	GGG	GTG	GGA	TGG	AAA	ATT	GAC	TTC	GCA	CTT	GTC	CCC
2836	GAA	AAA	ATA	ATC	CCA	GCG	GGC	CCC	CTG	GGG	TGT	ATG	AAC	CGG	GAT
	CTT	TTT	TAT	TAG	GGT	CGC	CCG	GGG	GAC	CCC	ACA	TAC	TTG	GCC	CTA
2881	GCC	CAC	ACC	CGG	ATC	CCC	TGC	TCT	GCT	CCC	CGC	CCC	ATC	CCC	GCA
	CGG	GTG	TGG	GCC	TAG	GGG	ACG	AGA	CGA	GGG	GCG	GGG	TAG	GGG	CGT
2926	GAG	GGA	GCG	GTG	CCG	GGC	GCG	GCA	GGT	CTC	CAA	GCC	GAC	TAG	GCT
	CTC	CCT	CGC	CAC	GGC	CCG	CGC	CGT	CCA	GAG	GTT	CGG	CTG	ATC	CGA
2971	GGC	GCT	GGC	GTC	GGG	GCT	GCG	CTC	CTT	GGC	TGG	ACC	CGC	ATT	GCC
	CCG	CGA	CCG	CAG	CCC	CGA	CGC	GAG	GAA	CCG	ACC	TGG	GCG	TAA	CGG

REPLACEMENT SHEET

Fig. 2E

3016 CCC TAG TGC CGC ACA GAG TCA GGG CGC CCG GGC TTC CCC GCC TGA
GGG ATC ACG GCG TGT CTC AGT CCC GCG GGC CCG AAG GGG CGG ACT

3061 TGT CAC CGC CGT GCA GTC AGC CCA GAG GCG GCT CAT TGA AAG CAG
ACA GTG GCG GCA CGT CAG TCG GGT CTC CGC CGA GTA ACT TTC GTC

3106 ACC CGC CGC GGG CCG GGC ACA GCC GGG CAC CCC CGG CCC GGC GCC
TGG GCG GCG CCC GGC CCG TGT CGG CCC GTG GGG GCC GGG CCG CGG

3151 GCG TCC TCC CCG CGC TCC CGC GCC AGC CCG GCC AGG CGC GCC TGA
GCG AGG AGG GGC GCG AGG GCG CGG TCG GGC CGG TCC GCG CGG ACT

3196 CGT GGA CCA TTA AAC TTG GAG CTC CCG CCT CGT CCC CTC TCT CCT
GCA CCT GGT AAT TTG AAC CTC GAC GGC GGA GCA GGG GAG AGA GGA
Seq. # 2 sense
→

3241 CCT CCT CCC TCT GAC AGG CGA GCG AGC CGC TGG GTG CAG GCA GGC
GGA GGA GGG AGA CTG TCC GCT CGC TCG GCG ACC CAC GTC CTT CCG

3286 GAG GTG CTG CCG GGC TAG GCT GCC CGG GGG AGA TGA CTT CTC GCC
CTG CAC GAC GGC CCG ATC CGA CGG GCC CCC TCT ACT GAA GAG CGG
Promoter Seq. # 1 sense
→

3331 AGG AGG ACG CCT CTG GAA AGA AGA CCA CGG AGG GAG CAA AGT TTC
TCC TCC TGC GGA GAC CTT TCT TCT GGT GCC TCC CTC GTT TCA AAG

3376 AGG GCA GCT GAG GAG CTT TGG TCG CAG CCC TTC CGA GCC CAA TCT
TCC CGT CGA CTC CTC GAA ACC AGC GTC GGG AAG GCT CGG GTT AGA
PVU II
|

3421 CCT CCC TGG CTA TGG AGG GCG GAC TTT AAA ATG
GGA GGG ACC GAT ACC TCC CGC CTG AAA TTT TAC